

US EPA ARCHIVE DOCUMENT

Case No.: 2740
Chemical No(s): 113201

2-15-91
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OREB TRANSMITTAL SHEET FOR PHASE 4 REVIEWS

Transmitted to HED on 12/7/90

Case name: Vinclozolin

Chemical name(s): 3-(3,5-Dichlorophenyl)-5-ethenyl-5-
methyl-2,4-oxazolidinedione (9CA)

Data submitter(s): BASF Corporation

CRM: Franklin Rubis

Phone #: (703) 308-8184

Issues/flags:

This action contains a request for a DATA WAIVER ()
TIME EXTENSION ()
ALTERED/DELETED USE ()

Other: _____

Branch: Occupational and Residential Exposure Branch

Reviewed by: Laura Morris

Date: 2/15/91

Approvals:

Section Head: W. M. Dwyer for A.P.N.

Date: 2/15/91

Branch Chief: A. Nelson for C. Truchillo

Date: 2/15/91

Response, by Guideline

Guideline #: 132-1(a) Description: Foliar Residue Dissipation
Is requirement applicable? (Y/N): Y
Has an acceptable summary been submitted? (Y/N): N
Data Waiver() Time Extension() Other () N/A
Data Waiver/Time Extension (If applicable) Granted? (Y/N): N/A
Discussion: Vinclozolin, a fungicide formulated as a flowable concentrate and a wettable powder, is applied to stone fruits, lettuce, onions, raspberries and strawberries.¹ Applications are made using typical aerial and ground techniques.¹ The potential for worker exposure to foliage exists (i.e., foliar applications on cherries). Vinclozolin is considered a developmental toxicant.² Based on the available toxicity and use data, a foliar residue dissipation study is required in support of reregistration.

Guideline #: 132-1(b) Description: Soil Residue Dissipation
Is requirement applicable? (Y/N): N
Has an acceptable summary been submitted? (Y/N): N
Data Waiver() Time Extension() Other () N/A
Data Waiver/Time Extension (If applicable) Granted? (Y/N): N/A
Discussion: Vinclozolin, a fungicide formulated as a flowable concentrate and a wettable powder, is applied to stone fruits, lettuce, onions, raspberries and strawberries.¹ Applications are made using typical aerial and ground techniques.¹ The potential for worker exposure to soil residues should be minimal compared to foliar residue exposure. Vinclozolin is considered a developmental toxicant.² Based on the available use data, a soil residue dissipation study is not required.

¹ Use information based on the LUIS report dated 11/5/90 from Phyllis Johnson, BEAD.

² The toxicity data is retrieved from the tox one-liner dated 11/9/90, discussion with SACB and memo from HED Toxicology Branch I (memo not dated).

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Guideline #: 133-3 Description: Dermal Exposure

Is requirement applicable? (Y/N): Y

Has an acceptable summary been submitted? (Y/N): N

Data Waiver() Time Extension() Other () N/A

Data Waiver/Time Extension (If applicable) Granted? (Y/N): N/A

Discussion: Vinclozolin, a fungicide formulated as a flowable concentrate and a wettable powder, is applied to stone fruits, lettuce, onions, raspberries and strawberries.¹ Applications are made using typical aerial and ground techniques.¹ The potential for worker exposure exists, (i.e., applied to foliage). With regards to the toxicity, vinclozolin is considered a developmental toxicant.² Based on the available use and toxicity data, dermal reentry exposure data are required in support of reregistration.

Guideline #: 133-4 Description: Inhalation Exposure

Is requirement applicable? (Y/N): Y

Has an acceptable summary been submitted? (Y/N): N

Data Waiver() Time Extension() Other () N/A

Data Waiver/Time Extension (If applicable) Granted? (Y/N): N/A

Discussion: Vinclozolin, a fungicide formulated as a flowable concentrate and wettable powder, is applied to stone fruits, lettuce, onions, raspberries and strawberries.¹ Applications are made using typical aerial and ground techniques.¹ The potential for inhalation exposure exists based on the applications various crops. With regards to the toxicity, vinclozolin is considered a developmental toxicant.² Based on the available toxicity and use data, inhalation exposure data are required in support of reregistration.

¹ Use information based on the LUIS report dated 11/5/90 from Phyllis Johnson, BEAD.

² The toxicity data is retrieved from the tox one-liner dated 11/9/90, discussion with SACB and memo from HED Toxicology Branch I (memo not dated).

Other Requirements:

Applicator Exposure Monitoring (Subdivision U)

Guideline #231: Estimation of Dermal Exposure at Outdoor Sites

Guideline #232: Estimation of Inhalation Exposure at Outdoor Sites

Comments:

Vinclozolin, a fungicide formulated as a flowable concentrate and as a wettable powder, is applied to stone fruits, lettuce, onions, raspberries and strawberries.¹ Applications are made using typical aerial and ground techniques.¹ Based on the aerial and ground applications, the potential for mixer/loader/applicator exposure exists. With regards to the toxicity, vinclozolin is considered a developmental toxicant.² The registrant has submitted a mixer/loader/applicator study protocol for review to OREB. This protocol, at the present time has been found to be acceptable providing certain conditions as indicated by OREB are met. The registrant plans to perform a mixer/loader/applicator study in accordance with the aforementioned protocol.³ Upon receipt of the study, OREB will evaluate it and determine if it adequately fulfills this data requirement. Therefore, additional data are not required at this time in support of reregistration.

¹ Use information based on the LUIS report dated 11/5/90 from Phyllis Johnson, BEAD.

² The toxicity data is retrieved from the tox one-liner dated 11/9/90, discussion with SACB and the memo from HED Toxicology Branch I (memo not dated).

³ Plans to submit a study are indicated in memo dated 8/1/90 from Pan-Ag (contracted by BASF Corp.) to Curt Lunchick, OREB.